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## DESCRIPTIONS OF TWENTY NEW SPECIES OF UNIONES OF THE UNITED STATES.

BY ISAAC LEA.

*Unio Lawii.*

Testa lævi, obliqua, clavæformi, antice tumida, valde inæquilaterali, postice obtuse angulata; valvulis crassis, antice aliquanto crassioribus; natibus prominentibus, fere terminalibus; epidermide flavida, radiis interruptis indutis; dentibus cardinalibus parviusculis, acuminatis crenulatisque; lateralibus sublongis, subcurvis lamellatisque; margarita argentea et iridescente.

*Hab.* Tennessee River, Tuscumbia, Alab., B. Pybas. Tenn. River, Dr. Edgar. Holston River, Miss A. E. Law and Prof. Cope.

*Unio appressus.*

Testa lævi, triangulari, securiformi, valde inæquilaterali, antice rotundata, postice subangulata; valvulis crassiusculis, antice aliquanto crassioribus; natibus prominentibus; epidermide flavida, radiis interruptis postice indutis; dentibus cardinalibus parviusculis, compressis crenulatisque; lateralibus sublongis, curvis lamellatisque; margarita argentea et aliquanto iridescente.

*Hab.* Tuscumbia, Alab., B. Pybas and J. G. Anthony. Holston River, Miss Law and C. M. Wheatley.

*Unio validus.*

Testa lævi, triangulari, inflata, inæquilaterali, antice rotunda, postice obtuse angulata; valvulis crassis, antice aliquanto crassioribus; natibus prominentibus, ad apices undulatis; epidermide olivacea, valde radiata; dentibus cardinalibus crassis, compressis crenulatisque; lateralibus sublongis, crassis subcurvisque; margarita argentea et iridescente.

*Hab.* Duck River, Tenn., Dr. Powell. Clinch River, Pres. Estabrook. Holston River, Dr. Edgar and Miss Law.

*Unio litus.*

Testa lævi, elliptica, subcompressa, inæquilaterali, antice rotundata, postice subbiangulata; valvulis subtenuibus, antice crassioribus; natibus prominulis; epidermide crocea, eradiata; dentibus cardinalibus parvis compressisque; lateralibus sublongis, sub-  
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curvis lamellatisque; margarita salmonis colore tincta et elegantissime iridescente.

*Hab.* Cahaba River, Shelby Co., Alab., E. R. Schowalter, M.D.

**Unio simulans.**

Testa lævi, obliqua, subcompressa, inæquilaterali, antice rotundata, postice obtuse angulata; valvulis crassiusculis, antice crassioribus; natibus prominulis; epidermide tenebroso-fusca, eradiata; dentibus cardinalibus parvis, compressis crenulatisque; margarita alba et iridescente.

*Hab.* Cahaba River, Shelby Co., Alab., E. R. Schowalter, M.D.

**Unio Cahabensis.**

Testa valde tuberculata, quadrata, compressa, subæquilaterali, antice rotunda, postice truncata; valvulis subcrassis, antice crassioribus; natibus subprominentibus; epidermide crocea, eradiata; dentibus cardinalibus subgrandis, compressis crenulatisque; margarita salmonis colore tincta et elegantissime iridescente.

*Hab.* Cahaba River, Shelby Co., Alab., E. R. Schowalter, M.D.

**Unio acuens.**

Testa lævi, triangulari, compressa, valde inæquilaterali, antice rotundata, postice subbiangulata; valvulis crassiusculis, antice crassioribus; natibus prominentibus; epidermide luteola, radiis interruptis; dentibus cardinalibus subcrassis, subcompressis crenulatisque; lateralibus subcrassis, brevis subrectisque; margarita alba et iridescente.

*Hab.* Holston River, near Concord, E. Tenn., Miss Law.

**Unio crudus.**

Testa lævi, subrotunda, compressa, inæquilaterali, antice rotunda, postice obtuse angulata; valvulis subcrassis, antice crassioribus; natibus prominentibus; epidermide rugosa, tenebroso-fusca, eradiata; dentibus cardinalibus subgrandibus, subcompressis crenulatisque; lateralibus crassis, subbrevis subcurvisque; margarita argentea et parum iridescente.

*Hab.* French Broad River, E. Tenn., Pres. Lindsley. Swamp Creek, Murray Co., Geo., Maj. Downie. Holston River, Miss Law and C. M. Wheatley.

**Unio Tuscumbiensis.**

Testa lævi, triangulari, tumida, ad latere planulata, inæquilaterali, antice subtruncata, postice obtuse angulata; valvulis

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crassis, antice crassioribus; natibus elevatis, subretusis; epidermide luteo-oliva, perradiata; dentibus cardinalibus parviusculis, subcompressis crenulatisque; lateralibus curtis, subcrassis subrectisque; margarita argentea et iridescente.

*Hab.* Tuscumbia, Alab., L. B. Thornton, Esq. Holston River, E. Tenn., Dr. Edgar.

**Unio dispansus.**

Testa lævi, elliptica, subinflata, valde inæquilaterali, antice rotunda, postice obtuse angulata; valvulis crassiusculis, antice crassioribus; natibus prominulis, fere terminalibus; epidermide tenebroso-olivacea, perradiata; dentibus cardinalibus parviusculis, tuberculatis et in utroque valvulo duplicibus; lateralibus prælongis, lamellatis subrectisque; margarita purpurea et valde iridescente.

*Hab.* East Tennessee, Dr. Edgar.

**Unio Pealei.**

Testa lævi, rotunda, valde inflata, subglobosa, valde inæquilaterali, antice et postice rotundata; valvulis crassis, antice crassioribus; natibus elevatis, tumidis, subretusis; epidermide luteo-olivacea, dilute perradiata; dentibus cardinalibus parviusculis, subconicis; lateralibus longis crassis subrectisque; margarita argentea et iridescente.

*Hab.* Topeka, Kansas, Chas. W. Peale.

**Unio globatus.**

Testa lævi, globosa, valde inæquilaterali; valvulis crassis, antice crassioribus; natibus valde inflatis, parum elevatis; epidermide tenebroso-fusca; dentibus cardinalibus percrassis et valde corrugatis; lateralibus curtis, crassis, parum curvatis corrugatisque; margarita argentea et iridescente.

*Hab.* Holston River, Dr. Edgar. Etowah River, Geo., Thos. Bland.

**Unio subglobatus.**

Testa lævi, suborbiculata, inæquilaterali; valvulis percrassis; natibus tumidis, elevatis, incurvis; epidermide tenebroso-fusca, ad apices maculata et radiata; dentibus cardinalibus parviusculis, compressis sulcatisque; lateralibus crassis, curvatis corrugatisque; margarita argentea et iridescente.

*Hab.* Florence, Alab., B. Pybas. Nashville, Tenn., Pres. J. B. Lindsley.  
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**Unio recurvatus.**

Testa lævi, rotundata, valde inflata, valde inæquilaterali; antice rotundata, postice obtuse angulata; valvulis crassis, antice crassioribus; natibus valde prominentibus et recurvatis; epidermide fusca, eradiata; dentibus cardinalibus parvis, crassis sulcatisque; lateralibus percrassis, curtis, subcurvis corrugatisque; margarita argentea et iridescente.

*Hab.* Tenn. River, J. G. Anthony. Holston River, E. Tenn., Miss Law.

**Unio obuncus.**

Testa lævi, triangulari, subinflata, ad basim arcuata, inæquilaterali, antice rotunda, postice obtuse angulata; valvulis crassis, antice crassioribus; natibus prominentibus; epidermide dilute oliva, perradiata; dentibus cardinalibus parvis corrugatisque; lateralibus crassis, lamellatis corrugatisque; margarita argentea et iridescente.

*Hab.* Tuscumbia, Alab. Holston River, E. Tenn., Miss Law.

**Unio radius.**

Testa lævi, subtriangulari, subinflata, subequilaterali, antice rotundata, postice obtuse angulari; valvulis crassiusculis, antice parum crassioribus; natibus prominentibus; epidermide luteo-oliva, perradiata; dentibus cardinalibus parvis, compressis crenulatisque; lateralibus subcrassis, lamellatis subrectisque; margarita alba et iridescente.

*Hab.* Holston River, E. Tenn., C. M. Wheatley and Miss Law.

**Unio circumactus.**

Testa lævi, rotundata, ad apices inflata, ad basim compressa, inæquilaterali; valvulis crassis, antice crassioribus; natibus elevatis recurvatisque; epidermide vel rufo-fusca vel castanea, maculata et radiata; dentibus cardinalibus crassis, subcompressis sulcatisque; lateralibus percrassis, subcurvis corrugatisque; margarita argentea et valde iridescente.

*Hab.* Florence, Alab., Rev. G. White. Holston River, Miss Law.

**Unio radiolus.**

Testa lævi, elliptica, subinflata, valde inæquilaterali, antice rotunda, postice obtuse angulata; valvulis crassiusculis; natibus prominulis, fere terminalibus; epidermide brunnea, valde radiata;

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dentibus cardinalibus parvis, subcompressis crenulatisque; lateralibus longis, lamellatis subcurvisque; margarita alba et iridescente.

*Hab.* Ogeechee River, Liberty Co., Geo., Major John Le Conte.

**Unio pattinoides.**

Testa lævi, obliqua, subcompressa, valde inæquilaterali, antice rotundata, postice obtuse angulata; valvulis subcrassis, antice crassioribus; natibus subprominentibus, fere terminalibus; epidermide luteo-brunnea, maculata; dentibus cardinalibus parvis, subcompressis corrugatisque; margarita argentea et iridescente.

*Hab.* Clinch River, Pres. Estabrook. Holston River, Dr. Edgar and Miss Law.

**Unio Santeënsis.**

Testa lævi, suboblunga, subinflata, valde inæquilaterali, antice rotundata, postice obtuse biangulata; valvulis crassiusculis; natibus prominulis, ad apices minute undulatis; epidermide tenebroso-fusca, nitida et valde radiata; dentibus cardinalibus parvis, compressis et in utroque valvulo duplicibus; lateralibus longis subcurvisque; margarita vel purpurea vel salmonis colore tincta et iridescente.

*Hab.* Santee Canal, S. C., Dr. Foreman. Oconee River, Geo., Major J. Le Conte.